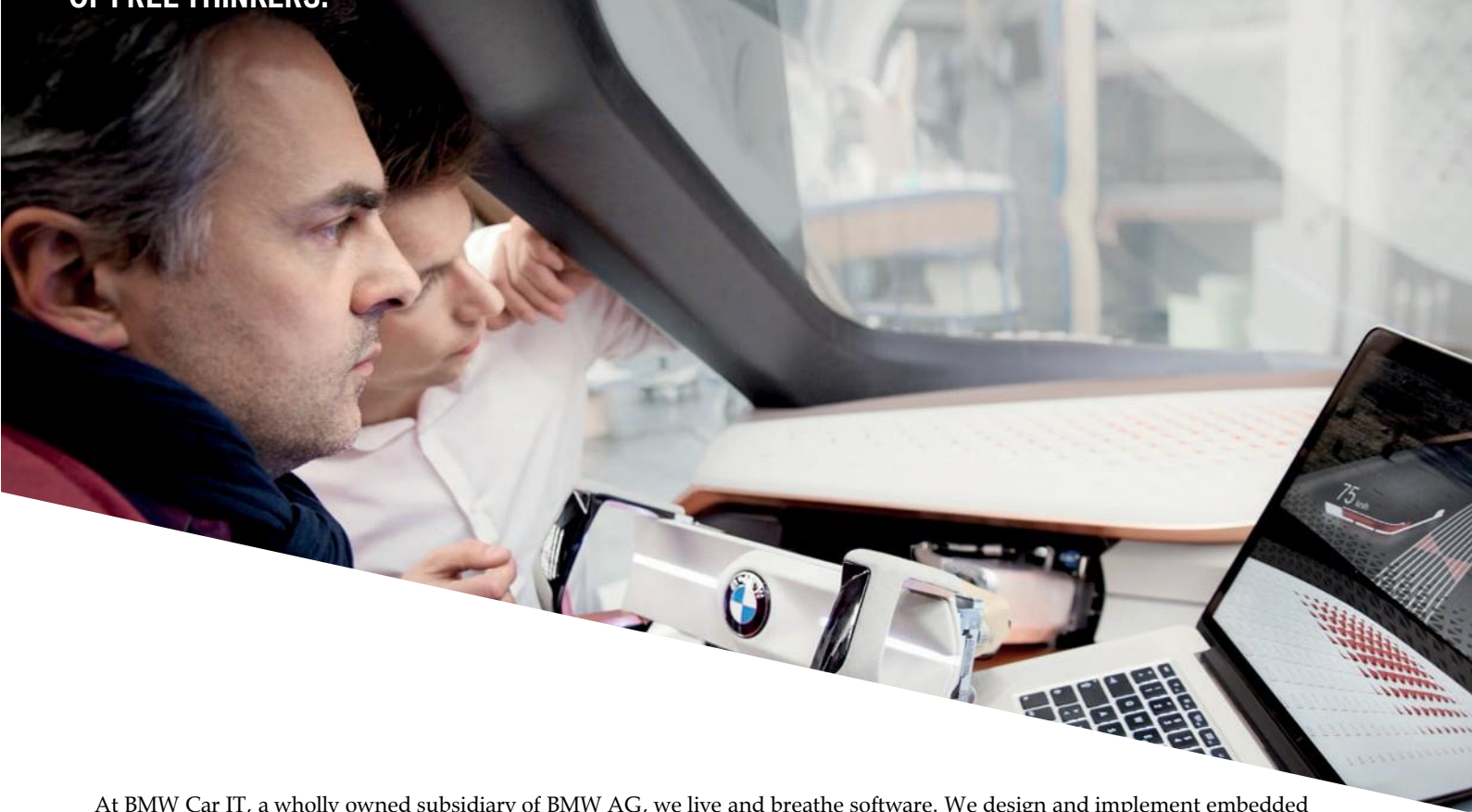


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At BMW Car IT, a wholly owned subsidiary of BMW AG, we live and breathe software. We design and implement embedded software for the electronic control units of the BMW cars as well as related tools and frameworks.

## **Internship: Automotive Infotainment Test Rack Update procedure (m/f/x)**

You will be taking part in the testing activities in an agile environment with a strong focus on software quality. The task is to provide a method for updating a rack of automotive ECUs with the most currently released SW in an easy and reliable way. These test racks are used to test the latest BMW Infotainment Head unit. Therefore you will learn how to operate a test rack and perform SW update procedures. You will manually perform the update and document the method such that those unfamiliar with the procedure can easily follow and successfully update their test racks. After that, a script or a suite of scripts have to be developed to automate the SW Update procedure. Finally, we will target to roll-out the automation scripts to the Head unit teams in BMW Car IT.

### **Requirements:**

- Experience in Python software development
- Knowledge of SW update (flashing) procedure is beneficial
- Bachelor or Master in Computer Science, Electronics, Engineering or similar
- Knowledge of test automation development and execution (Continuous Integration, automated unit and component testing)
- Business-fluent English is required

**Location:** Ulm

**Contact:** [students@bmw-carit.de](mailto:students@bmw-carit.de)

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